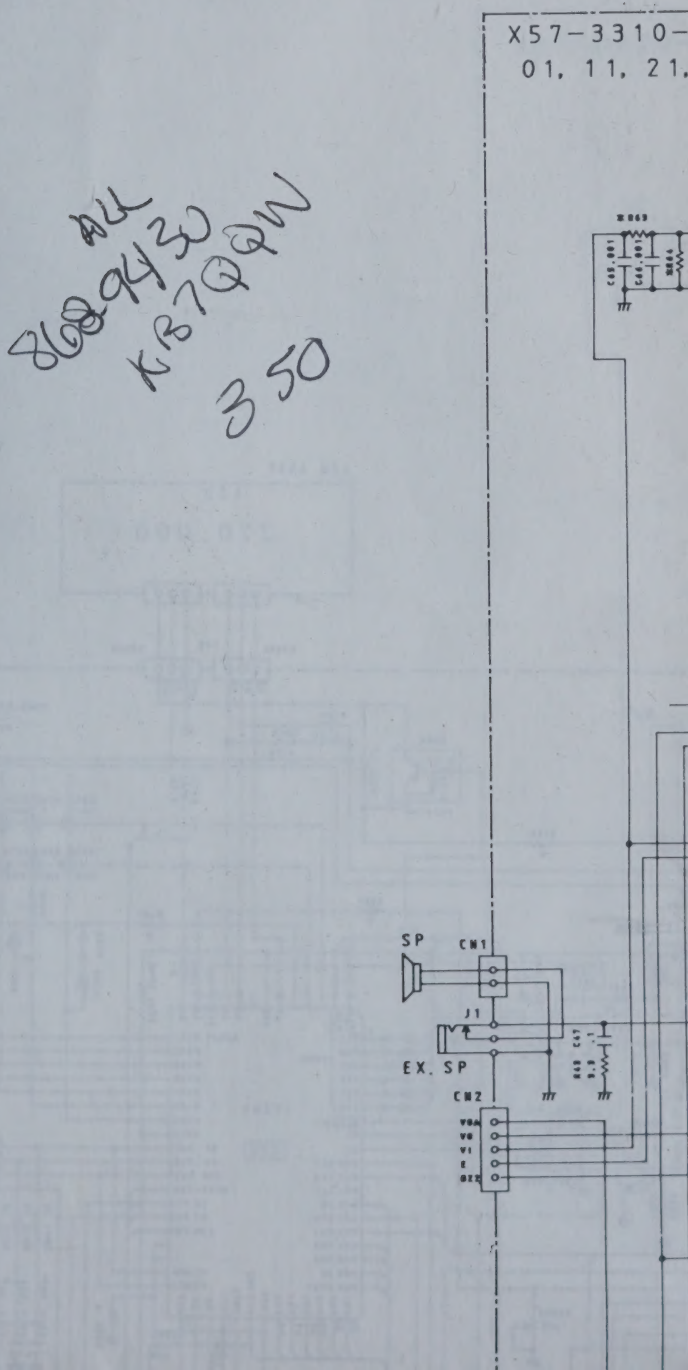
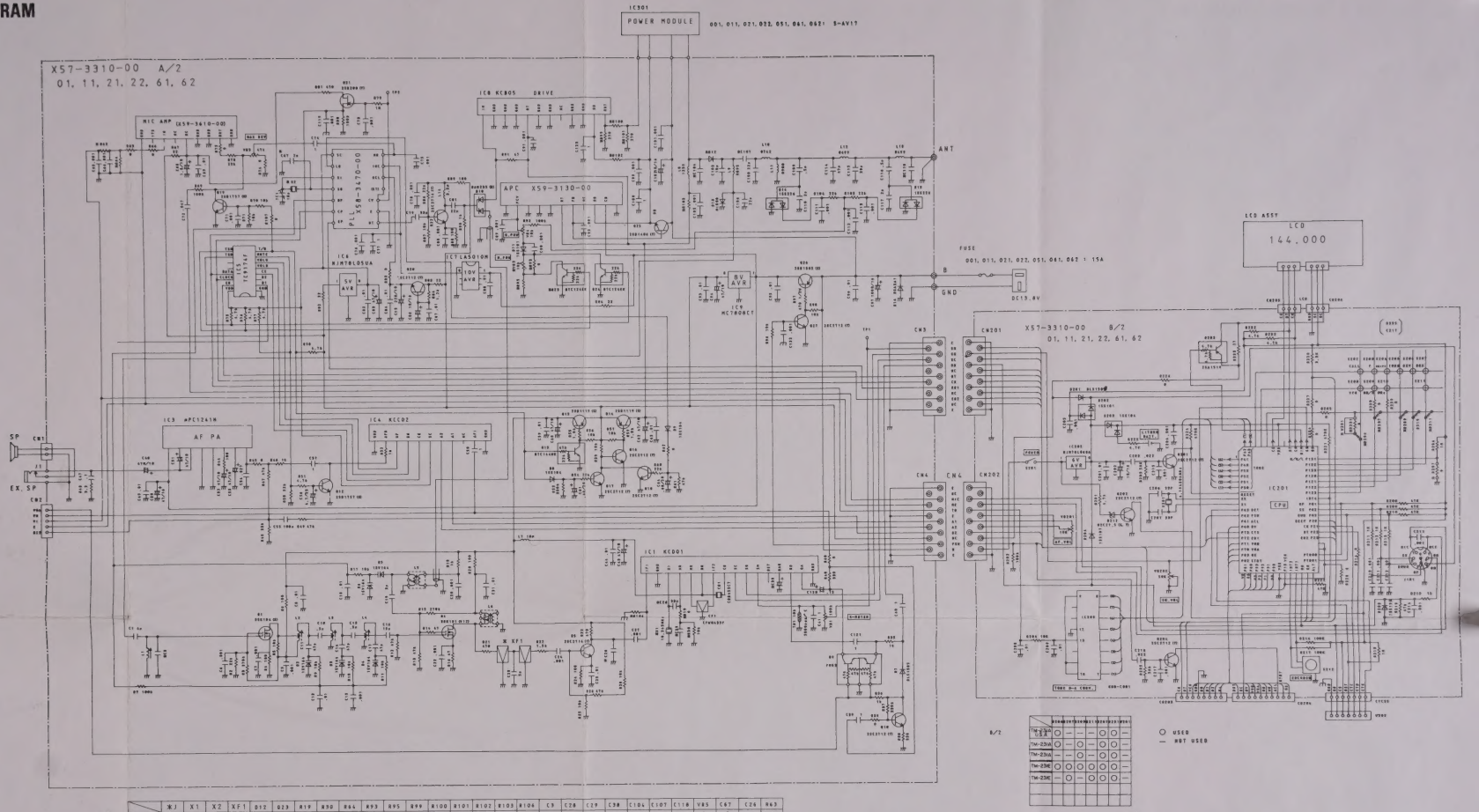
5-1. TM-231A/231E SCHEMATIC DIAGRAM

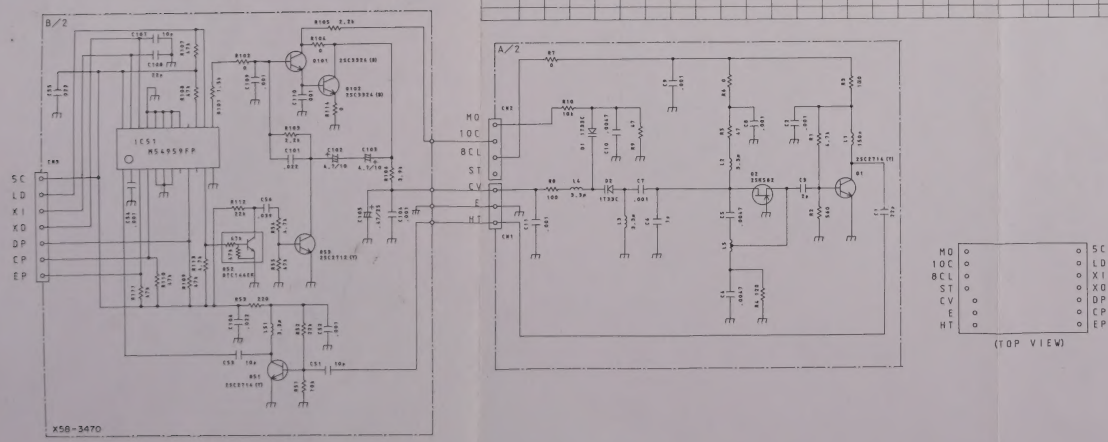


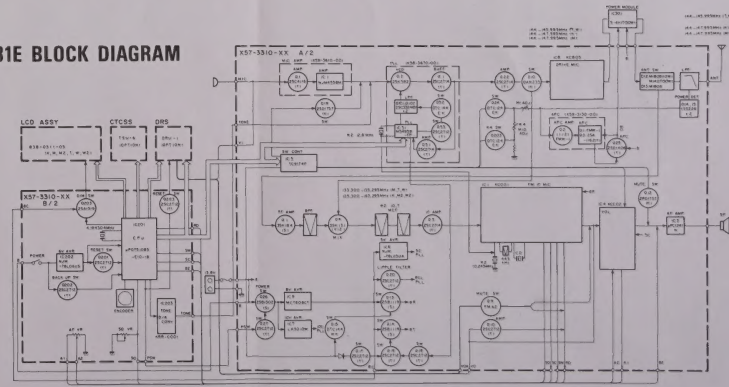
5-1. TM-231A/231E SCHEMATIC DIAGRAM



	✱J	X1	X2	XF1	D12	Q23	R19	R30	R84	R93	R95	R99	R100	R101	R102	R103	R104	C9	C28	C29	C98	C104	C107	C118	V85	C67	C26	R63
TM-231A	—	○	12.8	10.7	RY 407	○	○	○	9.96	—	4.7k	—	0	—	22	100	220Ω	7p	○	194×	33/99	5p	.001	18p	○	○	22Ω	7.5k
TM-231E	—	○	12.8	10.7	RY 407	○	○	○	564	—	4.7k	—	0	—	22	100	220Ω	7p	○	194×	33/99	5p	.001	18p	○	○	22Ω	1k

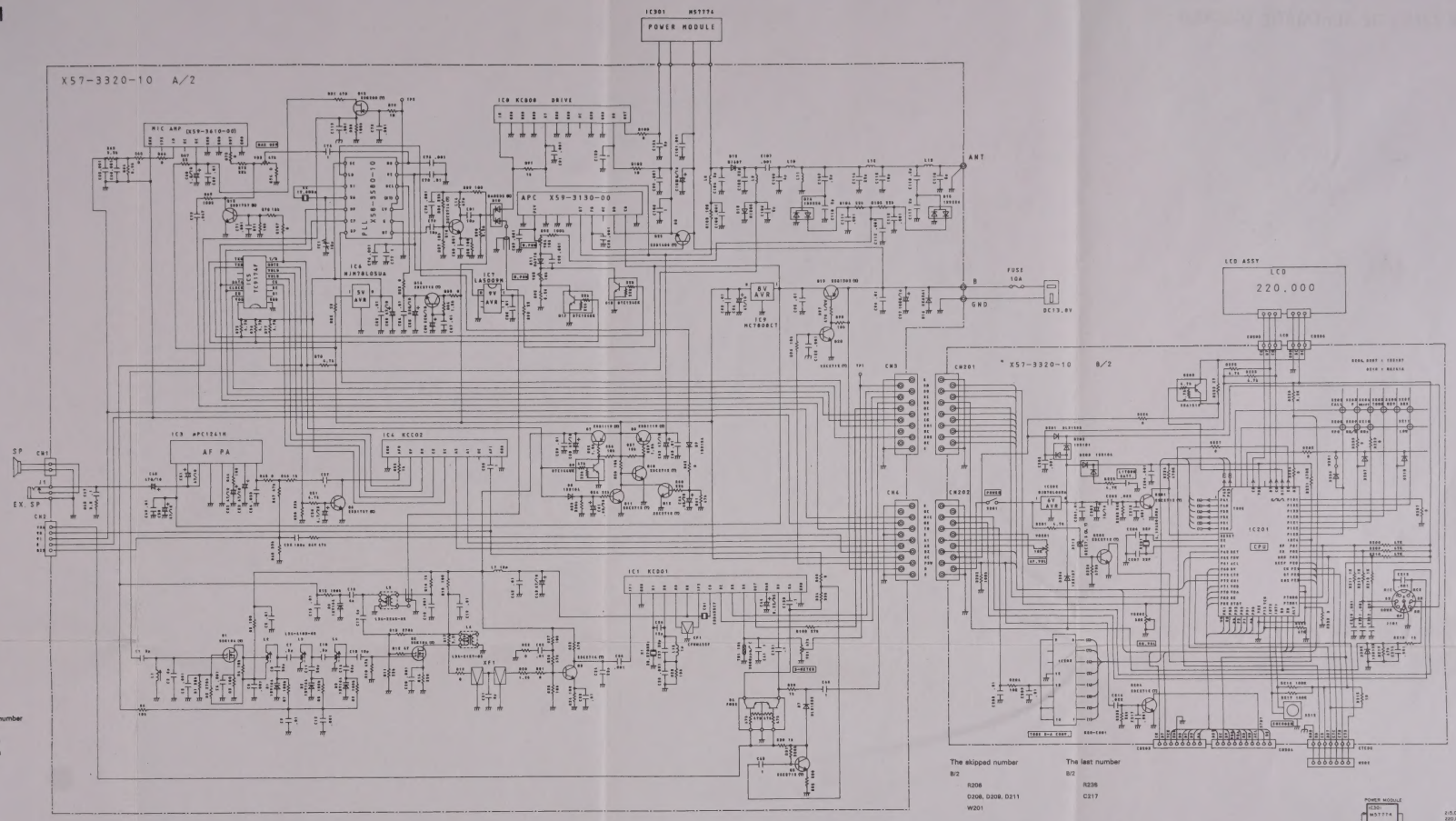
5-1. TM-231A/231E BLOCK DIAGRAM

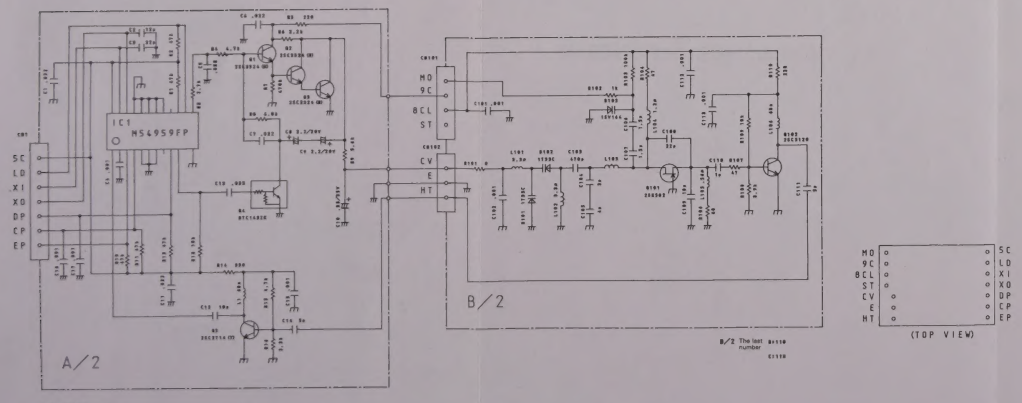




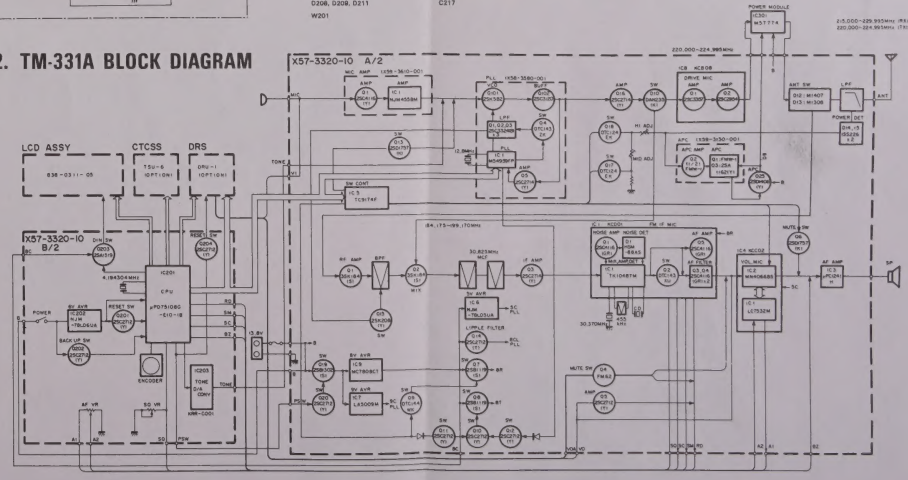
Note:
Circuit is subject to change without notice due to advancements in technology.

5-2. TM-331A SCHEMATIC DIAGRAM

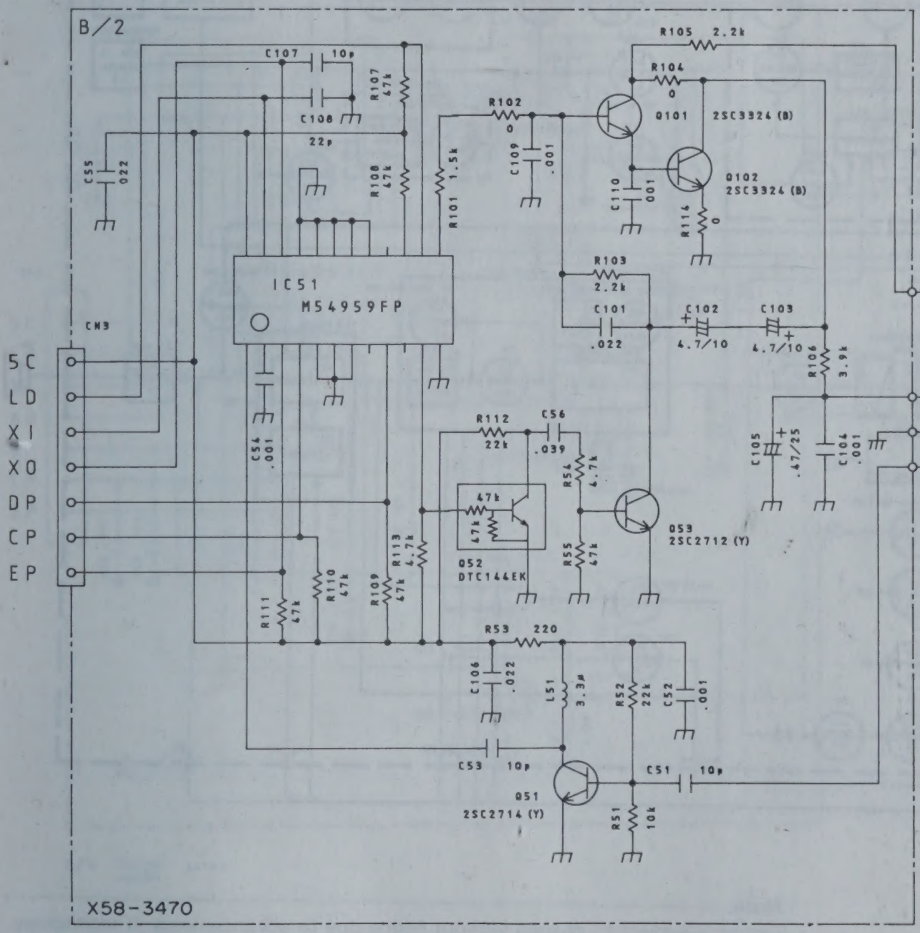




5-2. TM-331A BLOCK DIAGRAM



Note:
Circuit is subject to change without notice due to advancements in technology.


B/2
A/2
IC51
M54959FP
CN3
5C
LD
XI
XO
DP
CP
EP
Q101 2SC3324 (B)
Q102 2SC3324 (B)
Q52 DTC144EK
Q53 2SC2712 (Y)
Q51 2SC2714 (Y)
R105 2.2k
R104 0
R102 0
R103 2.2k
R101 1.5k
R112 22k
R53 220
C107 10p
C108 22p
C109 .001
C110 001
C101 .022
C102 4.7/10
C103 4.7/10
C105 .47/25
C104 .001
C56 .039
C54 .001
C106 .022
C53 10p
C51 10p
L51 3.3μ
R52 22k
C52 .001
R51 10k
X58-3470